PATENT COOPERATION TREATY

REC'D	19	MAY	2005
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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or ag	ent's file reference	FOR FURTHER ACTI	ON	See Form PCT/IPEA/416
226536		International filing data (da	u/month/segr)	Priority date (day/month/year)
International application No. International filing date (da)				
PCT/US04/08960 24 March 2004 (24.03.200 International Patent Classification (IPC) or national classification and			PC	24 March 2003 (24.03.2003)
IPC(7): C12N 5/10; GO1N 33/53, 33/566 and US Cl.: 435/325, 372, 7.24, 7.1				
	/10; GO1N 33/53, 33/50	50 and US Cl.: 435/325, 372,	1.24, 1.1	
Applicant		DOTATES AS DEDDESENT	TO DV THE SECRE	TARY, DEPARTMENT OF HEALTH
THE GOVERNI	SERVICES	D STATES, AS REFRESENT	ED BI THE BEGIE	
1 This	report is the interna	tional preliminary examin	ation report, establ	ished by this International Preliminary
Examining Authority under Article 35 and transmitted to the applicant according to Article 36. 2. This REPORT consists of a total of sheets, including this cover sheet.				
3. This report is also accompanied by ANNEXES, comprising:				
а. Г		ant and to the International		sheets, as follows:
	sheets of the this report a and Section	e description, claims and/or and/or sheets containing re 607 of the Administrative	drawings which ha ctifications authoriz instructions).	we been amended and are the basis of zed by this Authority (see Rule 70.16
sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.				
b. [containir	ng a sequence listing and/or e Supplemental Box Re	tables related there	nd number of electronic carrier(s)) sto, in computer readable form only, as e Listing (see Section 802 of the
4. This	report contains indic	cations relating to the follow	ving items:	
\boxtimes		Basis of the report		
	Box No. II	Priority		
		Non-establishment of opinicapplicability	on with regard to no	ovelty, inventive step and industrial
	Box No. IV	Lack of unity of invention		
	Box No. V	Reasoned statement under industrial applicability; cita	Article 35(2) wit tions and explanation	h regard to novelty, inventive step or one supporting such statement
	-	Certain documents cited		
		Certain defects in the interr		
	Box No. VIII	Certain observations on the		
Date of submi	ssion of the demand	:	Date of completio	n of this report
08 October 200	4 (08.10.2004)		20 March 2005 (20.	03-2005)
Name and mail	ing address of the IPEA	/ US	Authorized officer	Jall. I lans X
	Stop PCT, Attn: IPEA/US nissioner for Patents		Ron Schwadron, Pi	Jelle Collers &
P.O. Box 1450 Alexandria, Virginia 22313-1450				
Facsimile No. (703) 305-3230		Telephone No. 571	272 1600
	/409 (cover sheet)(Janu	ary 2004)		

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.	_
PCT/US04/08960	

Box No. I Basis of the report
1. With regard to the language, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.
This report is based on translations from the original language into the following language, which is the language of a translation furnished for the purposes of:
international search (under Rules 12.3 and 23.1(b))
publication of the international application (under Rule 12.4)
international preliminary examination (under Rules 55.2 and/or 55.3)
2. With regard to the elements of the international application, this report is based on (replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report):
the international application as originally filed/furnished
the description:
pages 1-30 as originally filed/furnished
pages* NONE received by this Authority on
pages* NONE received by this Authority on
the claims:
pages 31-38 as originally filed/furnished
pages* NONE as amended (together with any statement) under Article 19
pages* NONE received by this Authority on pages* NONE received by this Authority on received by the received
pages* NONE received by this Authority on
the drawings:
pages NONE as originally filed/furnished
pages* NONE received by this Authority on
pages* NONE received by this Authority on
a sequence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing.
3. The amendments have resulted in the cancellation of:
the description, pages
the claims, Nos
the drawings, sheets/figs
the sequence listing (specify):
any table(s) related to the sequence listing (specify):
4. This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).
the description, pages
the claims, Nos
the drawings, sheets/figs
the sequence listing (specify):
any table(s) related to the sequence listing (specify):
* If item 4 applies, some or all of those sheets may be marked "superseded."
Form DCT//DEA/400 (Box No. 1) (January 2004)

Form PCT/IPEA/409 (Box No. I) (January 2004)

JINTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
PCT/US04/08960

Box No.	Ш	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
The ques	stions lly ap	whether the claimed invention appears to be novel, to involve an inventive step (to be non obvious), or to be plicable have not been examined in respect of:
	the e	ntire international application
\boxtimes	clain	ns Nos. <u>9,13-16,25-36,41 and 50</u>
	beca	use:
	the s not r	aid international application, or the said claim Nos relate to the following subject matter which does equire an international preliminary examination (specify):
	the o	lescription, claims or drawings <i>(indicate particular elements below)</i> or said claims Nos. <u>9,13-16,25-36,41 and 50</u> so unclear that no meaningful opinion could be formed <i>(specify)</i> :
The afore	ementi e (29-3	oned claims will not be examine because they are improper multiple dependent claims (9,13-16,25-28,41,50) or (6). Claims 29-36 are indefinite because claim 29 refers to the "method of claim 1", but claim 1 is not drawn to a method.
	the opin	claims, or said claims Nos are so inadequately supported by the description that no meaningful nion could be formed.
	no i	nternational search report has been established for said claims Nos
	the the	nucleotide and/or amino acid sequence listing does not comply with the standard provided for in Annex C of Administrative Instructions in that:
	the v	written form has not been furnished
	the o	does not comply with the standard computer readable form has not been furnished does not comply with the standard
	the t	ables related to the nucleotide and/or amino acid sequence listing, if in computer readable form only, do not ply with the technical requirements provided for in Annex C-bis of the Administrative Instructions.
	See	Supplemental Box for further details.

Form PCT/IPEA/409 (Box No. III) (January 2004)

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No. PCT/US04/08960

Statement		
Novelty (N)	Claims <u>1-5,22,37-40,42-49</u>	YE
	Claims <u>6-8,10-12,17-21,23,24</u>	NC
Inventive Stan (IS)	Claims NONE	YE
Inventive Step (IS)	Claims 1-8,10-12,17-24,37-40,42-49	NCNC
		YE
Industrial Applicability (IA)	Claims 1-8,10-12,17-24,37-40,42-49	
	Claims NONE	171
02/0049302 discloses that the internalized MHC ft 02/0049302 discloses use of human PBMCs in said insfection are [0010]-[0011]). The QL9 peptide used is 9 amin	d method (see [0010]. The peptide is introduced in a cids(see [0010]).	nto the cell in peptide form or t
02/0049302 discloses use of human PBMCs in said	d method (see [0010]. The peptide is introduced in	nto the cell in peptide form or b
ee [0010]-[0011]). The QL9 peptide used is 9 amir aims 1-8,10-12,17-24,37-40,42-49 lack an inventiv		over US 2002/0049302 in vie
aims 1-8,10-12,17-24,37-40,42-49 lack an inventiv US 6,461,867.	e step miller PC1 At ticle 33(3) as outing outlous	0.0. 00 100 00 (SB01 III).0
S 2002/0049302 discloses APC transfected with greaty to detect/quantify and purify T cells specific for esented on the surface of the APC (see [0002]-[000]-[000] sponse. US 2002/0049302 discloses that the intermologial of the surface of the APC (see [0002]-[000]). US 2002/0049302 discloses use of human explicite form or by transfection ee [0010]-[0011]). The QL9 peptide used is 9 amiles 6,461,867 discloses APC transfected with more to US 2002/0049302 with more than 1 labeled MHC exterozygous at the MHC locus. HLA 201 is the most sing different fluorescent molecules is well known sponse identified using an art recognized marker. The seed for vaccines is seed for vaccines and the seed for vaccines is seed for vaccines and purify Telescopies and the seed for vaccines is seed for vaccines.	or a peptide, wherein the T cells internalize labeled [8], [0013]. The internalization of said complex is alized MHC fusion protein/peptide complex is det PBMCs in said method (see [0010]. The peptide is no acids(see [0010]). The peptide is no acids(see [0010]). The peptide is no acids(see [0010]). The peptide is the acid for the composition protein for use in humans wherein the act is the acid. The method could have been used to chem.	ignals a T cell mediated immuratected using the FACs (see is introduced into the cell in recognizes that humans are is. Multiparameter FACs analysiaracterize any T cell subset

Form PCT/IPEA/409 (Box No. V) (January 2004)